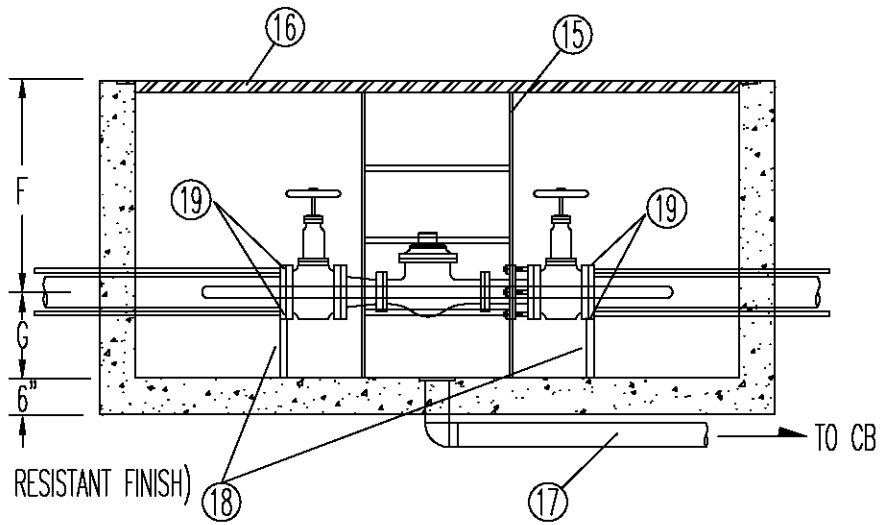
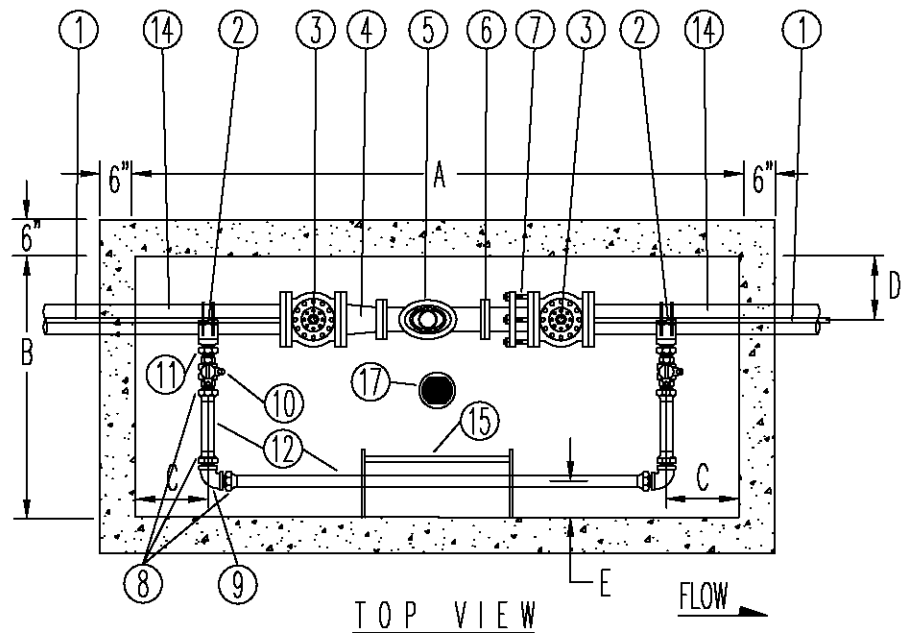


MATERIAL LIST, COPPER BY-PASS

- ① 4-3/4" SHACKLE RODS (TOP & BOTTOM)
- ② 2-2" ROMAC SADDLE
- ③ 2-4" DI GATE VALVES, FL, W/ HW
EQUAL TO M&H RESILIENT SEAT
- ④ 1-4"x3" DI REDUCER, FL (3" METER ONLY)
- ⑤ 1-3" WATER METER (OR 4" AS REQ'D),
INSTALLED EQUAL TO SENSUS OMNI
C₂ WITH 17" LAY LENGTH
- ⑥ 1- DI ADAPTER FL X PE, LENGTH TO FIT CLASS 52
3" WITH 3" METER
4" WITH 4" METER
- ⑦ 1-DI COUPLE ADAPTER, FL,
EQUAL TO ROMAC FCA 501
3" X 4" WITH 3" METER
- ⑧ 6-2" MALE ADAPTERS, BRASS
EQUAL TO FORD
- ⑨ 2-2", 90° ELBOWS, BRASS
- ⑩ 1-BALL VALVE W/ PADLOCK WING
EQUAL TO FORD
- ⑪ 2-2"x4" NIPPLE, BRASS
- ⑫ 2" RIDGED COPPER PIPE, TYPE K
- ⑬ PRE-CAST CONCRETE UTILITY VAULT
EQUAL TO UTILITY VAULT CO. 675-LA
- ⑭ 4" DI PIPE, FL
- ⑮ LADDER W/ 1' RUNGS
- ⑯ 2 LOCKING STEEL COVERS
EQUAL TO U.V. CO. 57TL-2-332P (SLIP RESISTANT FINISH)
- ⑰ 4" PVC DRAIN SYSTEM TO STORM SYSTEM
W/ CHECK VALVE
- ⑱ PIPE SUPPORTS EQUAL TO STANDON MODEL S89
- ⑲ EYE BOLTS

NOTES

- * METER MUST READ IN HUNDREDS OF CUBIC FEET
- * VAULT WILL BE PRECAST W/ BOTTOM
- * ALL PIPES & FITTINGS 4" AND LARGER SHALL BE CEMENT LINED
- * PIPING FROM MAIN TO VAULT SHALL BE 4" ON 3" METER INSTALLATIONS
- * TAPPING TEE WITH VALVE AS PER STANDARD DETAIL W.05, REQUIRED ON EXISTING MAINS
- * 4" PVC DRAIN SYSTEM REQUIRED
- * PIPE SUPPORTS TO BE ANCHORED TO FLOOR & BOLTED TO VALVES
- * OUTSIDE VAULT - SHACKLE BACK TO APPROPRIATE LOCATION BASED ON CONDITION

VAULT DIMENSIONS AND PIPE PLACEMENT							
ITEM	A	B	C	D	E	F	G
DIMENSION	7'	4'	6"	12"	6"	2'-8"	1'

CITY OF KIRKLAND

PLAN NO. CK-W.20



3" & 4" WATER
METER SERVICE
INSTALLATION